

**Delaware
Division of
Air Quality**

2011

Air Toxics Strategic Plan

Year End Status
(January through December 2011)

Detailed Report

**Delaware
Division of Air Quality
2011 Air Toxics Strategic Plan**

The Air Toxics Strategic Plan (ATSP) is a five-year plan of activities to be undertaken by Division of Air Quality (DAQ) and its partners to reduce the risk of adverse health effects caused by the inhalation of air toxics.

The 2011 - 2015 ATSP, finalized on December 28, 2010, is organized within the following components.

- **Implement an on-going program to address the risks from exposure to air toxics**
- **Build a greater understanding of ambient air toxics in the environment**
- **Identify potential harm from exposure to air toxics**
- **Gather information related to air toxics sources**
- **Identify options for reducing air toxics in the environment**
- **Implement appropriate actions to reduce the harm from exposure to air toxics**
- **Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics**
- **Enhance DAQ air toxics resources**

ACRONYMS

AFS	EPA's Air Facility System
AIRS-AQS	EPA's Aerometric Information Retrieval and Air Quality Systems
ATSP	Air Toxics Strategic Plan
CAA	Clean Air Act
CAL-LEV	California Low Emission Vehicle program
CMAQ	Congestion Mitigation and Air Quality Improvement Program
DAQ	Delaware Division of Air Quality
DATAS	Delaware Air Toxics Assessment Study
DE	Delaware
DERA	Diesel Emissions Reduction Act
DelDOT	Delaware Department of Transportation
DC&E	Delaware Division of Climate & Energy
DENs	Delaware Environmental Navigator
DNREC	Delaware Department of Natural Resources and Environmental Control
EPA	U. S. Environmental Protection Agency
EPA R3	U. S. Environmental Protection Agency Region 3
FCE	Full compliance evaluation
GACT	Generally Achievable Control Technology
GDF	Gasoline dispensing facility
HAPs	Hazardous Air Pollutants, as defined in Section 112(b) of the 1990 CAA Amendments
I/M	Inspection and maintenance
MACT	Maximum Achievable Control Technology
MARAMA	Mid-Atlantic Regional Air Management Association
MLK	Martin Luther King Boulevard
MPO	Metropolitan Planning Organization
NAAQS	National Ambient Air Quality Standard
NACAA	National Association of Clean Air Agencies
NATA	EPA's National Air Toxics Assessment
NESCAUM	Northeast States for Coordinated Air Use Management
NOAA	National Oceanic and Atmospheric Administration
OTC	Ozone Transport Commission
PVC	Polyvinyl chloride
SB	Small business
US DOE	U. S. Department of Energy
UST	Underground storage tank
VOC	Volatile Organic Compound
WILMAPCO	Wilmington Area Planning Council

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	Implement an ongoing program to address the risks from exposure to air toxic	12/31/11 Status	Expected Completion
2011	1. Continue to build the strategic planning capacity to implement risk-based assessment programs to mitigate any unacceptable air toxics impacts.		
	a. Review status and complete year-end status report on the 2010 individual Strategic Plans.	• Completed on Mar. 22	- - -
	b. Track implementation and report year-end-status of the 2010 Air Toxics Strategic Plan by 3/31/11.	• Completed on Mar. 15	- - -
	c. Review status and complete mid-year status report on the 2011 individual Strategic Plans.	• Completed on Sept. 15	- - -
	d. Track implementation and report mid-year status on the 2011 Air Toxics Strategic Plan by 9/30/11.	• Completed on Sept. 19	- - -
	e. Updating of the Air Toxics Strategic Plan for 2012-2016		
	i. Review and revise, if needed, Air Toxics Area Source Program and timing, as part of the 2012 Air Toxics Strategic Plan by 10/11.	• Completed on Nov. 3	- - -
	ii. Coordinate development of the 2012 Air Toxics Strategic Plan.	• Completed on Nov. 23	- - -
	iii. Update individual Strategic Plans for 2012-2016.	• Completed on Nov. 23	- - -
	iv. Update and finalize 2012 Air Toxics Strategic Plan for years 2012 to 2016 by 12/31/11.	• Completed on Dec. 28	- - -
	2. Continue participation on internal, local, regional, and national committees to identify air quality problems, develop strategies/solutions, and implement DE air toxics program.	• Continued participation on the NACAA Air Toxics Committee	• Ongoing
	3. Continue participation on internal, local, regional, and national committees to identify air quality problems related to small businesses, develop strategies/solutions, and implement in the DE air toxics program and small business assistance program.	• Ongoing since July 1, SB Ombudsman on leave of absence during January through June period.	• Ongoing
	4. Continue participation on internal, local, regional, and national committees to identify energy issues, develop strategies/solutions, and implement Delaware's energy program.	• Continued participation in : • Clean Cities/States Program (Alt. Fuels) • National Association of State Energy Officials (NASEO) • Regional Greenhouse Gas Initiative (RGGI) • Transportation & Climate Initiative • Three Region Initiative	• Ongoing
	5. Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.		
	a. Complete Regulatory Timeline and Guidance documentation by 3/11.	• Completed on May 31	- - -

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	Implement an ongoing program to address the risks from exposure to air toxic	12/31/11 Status	Expected Completion
2011 Cont	6. Continue to evaluate and realign Engineering and Compliance's assignments, organization structure and protocols to better address risk-based air toxics programs, as needed.	<ul style="list-style-type: none"> • No needed changes or realignments were identified during this period 	<ul style="list-style-type: none"> • Ongoing
	7. Review and revise, if needed, air toxics area source activities and timing as part of the 2012 Air Toxics Strategic Plan by 12/11.	<ul style="list-style-type: none"> • Completed on Nov. 14 	- - -
	8. Continue to evaluate and realign Area Source Compliance's assignments and organization structure to better address risk-based air toxics programs, as needed.	<ul style="list-style-type: none"> • Since achieving fully staffed operation in May, two positions were vacant by year-end • Commenced efforts to fill empty positions 	- - - <ul style="list-style-type: none"> • Ongoing

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	Build greater understanding of ambient air toxics environment	12/31/11 Status	Expected Completion
2011	1. Determine ambient air toxics concentrations for selected HAPs in Delaware.		
	a. Monitor, pending network review to meet changing resources, for Carbonyls and metals at one (1) air toxic monitoring station and VOCs at two (2) air toxic monitoring stations and report status of monitoring activities to EPA R3, as appropriate.	<ul style="list-style-type: none"> Twelve months sampling was completed on schedule 	<ul style="list-style-type: none"> Ongoing
	b. Submit quarterly air toxics monitoring data to national AIRS-AQS database following data validation.	<ul style="list-style-type: none"> All validated results were submitted to EPA 	<ul style="list-style-type: none"> Ongoing
	c. Continue to collaborate with University of Delaware on air toxics research and special projects.	<ul style="list-style-type: none"> No active projects currently scheduled. 	- - -
	d. Working in partnership with the University of Delaware, continue the Upper Air Profiler project, which provides meteorological data to NOAA repository for potential use in air toxics modeling, etc.	<ul style="list-style-type: none"> Units have been conveyed to DNREC and a partnership has been established Communication with 10-meter tower has been established. The profiler was damaged in the Fall and needs repair 	- - - - - - <ul style="list-style-type: none"> Unknown
	e. Continue to operate the gas chromatographic mass spectrometer to quantify “Community Air Toxics”.	<ul style="list-style-type: none"> Grant ended on Dec. 31 Project will need to be completed and results conveyed to EPA 	- - - <ul style="list-style-type: none"> 3/12
	f. Continue to identify funding requirements and sources, as well as, staffing needed to fully utilize the air toxics analytical lab.	<ul style="list-style-type: none"> Completed as part of the DAQ Needs Assessment. 	<ul style="list-style-type: none"> Ongoing
	g. Continue to support the gas chromatographic mass spectrometer platform operations and maintenance.	<ul style="list-style-type: none"> Activities are ON HOLD at end of the year 	<ul style="list-style-type: none"> Unknown
	h. Undertake new or special monitoring needs that may surface.	<ul style="list-style-type: none"> In May, a proposal was submitted to EPA under the Community Air Toxics RFP for a community-based sampling project at the Port of Wilmington to characterize methyl bromide concentrations in ambient air; no funding was awarded A special task force will be convened in 2012 to determine future activities 	- - - <ul style="list-style-type: none"> Ongoing
	2. Provide air toxics modeling support to meet community and internal needs.	<ul style="list-style-type: none"> Finalization of DATAS Phase 2 project in progress 	<ul style="list-style-type: none"> 2Q/12

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	Identify potential harm from exposure to air toxics	12/31/11 Status	Expected Completion
2011	1. Characterize the cancer and non-cancer risks associated with 2005 National Air Toxics Assessment (2005 NATA).		
	a. Review 2005 NATA findings and assess potential impact of dry cleaning and gasoline distribution air toxics on the public's health, as needed.	• Review did not identify notable impact from either source category	- - -
	b. Complete evaluation of the 2005 NATA results, communicate findings, if warranted, and respond to inquiries, as appropriate.	• Completed evaluation and communicated results to DAQ management and other interested parties on Jan. 31 • No inquiries were received that required response	- - -
	c. Review communication materials associated with the release of EPA's NATA 2005 results for Delaware, as needed.	• Communicated results to DAQ management and other interested parties on Jan. 31 • No inquiries were received that required response	- - -
	2. Characterize the cancer and non-cancer risks through future air toxics assessment programs.		
	a. Coordinate ongoing risk assessment support and guidance of Division of Public Health (DPH) for air toxics risk reduction activities.	• No coordination needed this period	• Ongoing
	3. Provide modeling support to Air Quality's Community Air Toxics Study (CATS), pending the completion of the CATS.	• On hold pending completion of validation of monitoring data	• Ongoing
	4. Provide modeling support to Engineering & Compliance associated with risk-based permitting decisions, as needed.	• No air toxics modeling needs identified during this period	• Ongoing
	5. Analyze monitoring data from completed special monitoring projects and refine air toxics model, if appropriate.		
	a. Analyze ultra-fine particle data collected by DNREC, University of Delaware, and Duke University.	• Completed preliminary analyses of ultra-fine particle data collected at MLK station by DNREC and presented interim findings on Jan. 23 • Data and findings were distributed internally and shared with John Hopkins and University of Delaware • Ultra-fine particle analyzer was relocated from MLK Station (Wilmington) to Lewes Station in November to collect data in non-urban environment	- - - - - - • Ongoing

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	Identify potential harm from exposure to air toxics	12/31/11 Status	Expected Completion
2011 Cont	5. Analyze monitoring data from completed special monitoring projects and refine air toxics model, if appropriate		
	b. Continue source apportionment analysis focusing on the air toxics of concern.		
	i. Risk contribution of mobile sources, as resources become available.	• On hold pending availability of resources	• Unknown
	ii. Diesel particulate matter, as resources become available.	• On hold pending availability of resources	• Unknown
	iii. Residential wood stoves, as resources become available.	• On hold pending availability of resources	• Unknown
NEW	6. Coordinate with Division of Public Health (DPH) on the finalization of DATAS Phase 2.	• DPH provided clarification regarding the previously provided risk assessment results	- - -

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	Gather information related to air toxics sources	12/31/11 Status	Expected Completion
2011	1. Develop emissions inventory protocol for the implementation of the 2011 National Emissions Inventory, if needed.	• No activity this period	• 1/12
	2. Provide emissions inventory support to the air toxics education and reduction programs, as required.	• No inventory support requested during this period	• Ongoing
	3. By 12/11, identify and enter into AFS all new or previously unknown affected sources which are subject to any area source standards promulgated under 112(d) or 112(k) of the CAA.	• New and newly affected sources identified and entered into AFS; no previously unknown sources identified	- - -
	4. Identify the miscellaneous parts and products manufacturing facilities that are subject to the area source paint stripping (1138 Sect 13) and area source surface coating (1138 Sect 14) requirements in Regulation 1138.		
	a. Provide compliance guidance to known and probable affected sources for their self-determination of applicability by 3/11.	• No activity during this period • The need for relevant training Sect 13 and 14 identified in July • Training to be provided to all staff in 2012 to undertake this activity	• Ongoing
	b. Perform an applicability assessment at known and probable affected sources to determine those facilities that are subject to Section 13 and/or Section 14 by 6/11.	• No activity during this period • The need for relevant training on Sect 13 and 14 identified in July • Training to be provided to all staff in 2012 to undertake this activity	• Ongoing
	5. Until data entry problems with AFS (via DENs) are resolved, continue to improve the consolidated source data base by entering all new or previously unknown affected sources which are subject to Perchloroethylene Dry Cleaning standard (1138 Sect 5), Methylene Chloride Paint Stripping standard (1138 Sect 13), and Motor Vehicle and Mobile Equipment Surface Coating standard (1138 Sect 15), as well as gasoline delivery vessels.	• Continued to maintain and update manual database of affected Delaware sources	• Ongoing
	6. Submit UST Semiannual Activities Reports to the EPA by April 30 and October 31, 2011.	• Submitted Semiannual Activities Report in April and October	- - -
	7. Assist in the identification of known or potentially affected sources for newly promulgated area source standards, as needed.	• No activity this period • New area sources standard (Sub 7Es) promulgated on Feb. 2; no Delaware sources	• Ongoing
New	8. Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics.	• No emissions tracking requested during this period	• Ongoing
	9. Conduct “remote sensing” study to meet PM 2.5 testing required under the State Implementation Plan.	• Completed 2011 testing on Nov. 25 • DelDOT completed the data matching and returned matched data to Envirotech Systems Corp (ESC) • ESC began drafting report	- - - - - - • Ongoing

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	Identify options for reducing air toxics in the environment	12/31/11 Status	Expected Completion
2011	1. Continue to monitor federal activities associated with the new Lead NAAQS and communicate any EPA proposed actions/decisions impacting Delaware.	<ul style="list-style-type: none"> Complete; revision to SIP infrastructure relative to lead was submitted to EPA 	- - -
	2. Provide technical assistance on lightering operations to DAQ and Ozone Transport Commission, as needed.	<ul style="list-style-type: none"> Completed review of an Oct. 21, 2010 proposed Coast Guard rule applicable to marine vapor control systems on April 14 <ul style="list-style-type: none"> Concluded the proposed CG rule would have negligible impact on lightering in Delaware and did not create any conflict with existing Delaware regulations 	- - -
	3. Initiate and continue to include, where applicable, the mobile source air toxics issues in programs and activities, which previously addressed only criteria pollutants.		
	a. Participate in inter-agency consultation (IAC) workgroup's 8-hour conformity determinations for New Castle, Kent and Sussex Counties. Report status to EPA R3, as appropriate.	<ul style="list-style-type: none"> Participated in monthly WILMAPCO Air Quality Subcommittee (AQS) meetings Participated in the bimonthly Dover/Kent County MPO Technical Advisory Committee meetings Participated in the biannual IAC workgroup meetings 	<ul style="list-style-type: none"> Ongoing Ongoing Ongoing
	b. Continue to provide comments and/or recommendations to the MPOs and DelDOT on the priority of funding projects with CMAQ funds. Report status to EPA R3, as appropriate.	<ul style="list-style-type: none"> Continued to provide Department's priorities on funding projects at WILMAPCO AQS meetings 	<ul style="list-style-type: none"> Ongoing
	c. Reevaluate the "Smoking Vehicle Reduction Program" options.		
	i. Complete baseline testing of smoking vehicles program.	<ul style="list-style-type: none"> On hold; due to lack of resources 	<ul style="list-style-type: none"> Unknown
	ii. Review baseline testing results and identify funding of program, if implementation is warranted.	<ul style="list-style-type: none"> On hold; due to lack of resources 	<ul style="list-style-type: none"> Unknown
	4. Continue participation in OTC Clean Corridors and the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate.	<ul style="list-style-type: none"> Participated on MADC projects 	<ul style="list-style-type: none"> Ongoing
	5. Continue working with EPA R3 and the Clean Air Council on an outreach program for the Delaware Diesel Difference initiative.	<ul style="list-style-type: none"> Resumed participation with the Clean Air Council following hiring of their Clean Diesel Coordinator Actively participated in monthly program planning meetings 	<ul style="list-style-type: none"> - - - Ongoing

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	Identify options for reducing air toxics in the environment	12/31/11 Status	Expected Completion
2011 Cont	6. Continue to promote smart growth oversight that encourages consideration of impact of mobile source emissions.	<ul style="list-style-type: none"> Continued to review and comment on Preliminary Land Use Service (PLUS) applications 	<ul style="list-style-type: none"> Ongoing
	7. Continue to evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the rules, as appropriate. Collaborate and maintain open communications with rulemaking involving joint responsibilities.		
New	a. Newly proposed amendments to federal air toxics and incinerator standards.		
	i. Electric Generating Unit MACT Standard (Sub UUUUU).	<ul style="list-style-type: none"> Reviewed from a permitting and compliance perspective; no comments warranted Completed review from a regulatory perspective in July Comments from a regulatory perspective submitted to the EPA on Aug. 3 	- - - - - - - - -
	ii. PVC MACT standard (Sub HHHHHHH).	<ul style="list-style-type: none"> Reviewed from a permitting and compliance perspective; no comments warranted 	- - -
	b. Newly proposed federal residual risk standards.		
	i. Aerospace Manufacturing and Rework Facilities (Sub GG).	<ul style="list-style-type: none"> No EPA proposed rule to date 	<ul style="list-style-type: none"> Unknown
	ii. Secondary Aluminum Production (Sub RRR).	<ul style="list-style-type: none"> No EPA proposed rule to date 	<ul style="list-style-type: none"> Unknown
	8. Participate in development of the rulemaking strategy for		
	a. Reevaluate and develop path forward for amending Regulation 1131, which would expand the low enhanced inspection and maintenance (I/M) program statewide by 6/11.	<ul style="list-style-type: none"> Reevaluation complete Continue to work with DelDOT to identify a feasible path forward 	- - - <ul style="list-style-type: none"> Ongoing
	b. Area standard applicable to gasoline dispensing facilities (Federal Sub CCCCCC), if needed.	<ul style="list-style-type: none"> On hold – the Division of Air Quality has postponed the adoption of Federal Subpart 6Cs requirements 	<ul style="list-style-type: none"> Unknown
	9. Implement other air toxics-related communications and outreach programs.		
	a. Continue to participate in Claymont Coalition meetings.	<ul style="list-style-type: none"> Successfully rolled out latest Claymont dust study findings at the May 24 annual public meeting 	<ul style="list-style-type: none"> Ongoing
	b. Continue to support Engineering and Compliance's community/industrial air toxics outreach programs, when needed.	<ul style="list-style-type: none"> No new needs were identified during this period 	<ul style="list-style-type: none"> Ongoing

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	Identify options for reducing air toxics in the environment	12/31/11 Status	Expected Completion
2011 Cont.	10. Identify grant and funding opportunities.		
	a. Facilitate the identification, preparation and submission for transportation-related grants or other funding.	<ul style="list-style-type: none"> Submitted 2011 Diesel Emissions Reduction Act (DERA) grant application Grant application was approved in June 	<p style="text-align: center;">- - -</p> <p style="text-align: center;">- - -</p>
	b. Work with and promote open communications with other branches, divisions and Department on energy efficiency/conservation opportunities and pursue funding opportunities for projects.	<ul style="list-style-type: none"> Continued to promote open communications 	<ul style="list-style-type: none"> Ongoing
	11. Evaluate the need for the development of additional Source Category Permits to address air toxics issues.	<ul style="list-style-type: none"> No new candidates identified during this period 	<ul style="list-style-type: none"> Ongoing
	12. Continue to participate in the multi-state Transportation & Climate Initiative (TCI).	<ul style="list-style-type: none"> The TCI “Innovation, Communication & Technologies” workgroup <ul style="list-style-type: none"> Began development a smart phone “APP Store” for transit-oriented APPs throughout the 11-State region Drafted request for a proposal to develop transit-oriented APP The Clean Cities/USDOE approved the TCI “Clean Vehicles & Fuels” workgroup’s grant request for research and planning to establish electric vehicle infrastructure in the 11-State region Worked with Delaware Clean Cities/Clean States to draft a contract to do stakeholder outreach to establish the electric vehicle infrastructure 	<ul style="list-style-type: none"> 2012 2012 Ongoing 2012

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	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/11 Status	Expected Completion
2011	1. Insure continued or improved compliance of stationary sources.		
	a. Continue to perform full compliance evaluations (FCEs) of facilities subject to major air toxics source standards (i.e. MACT and residual risk standards) in accordance with the applicable compliance monitoring plan.	• Completed 11 additional FCEs during 2011	- - -
	b. Perform full compliance evaluations (FCEs) of facilities subject to area source air toxics standards as follows:		
	i. The three (3) chrome plating facilities, subject to 1138 Sect 6, covered during the 2010-11 timeframe.	• All 3 FCE's completed as of Aug. 23	- - -
	ii. The one (1) halogenated solvent degreaser, subject to 1138 Sect 8, covered during the 2010-11 timeframe.	• No activity this period	- - -
	iii. The one (1) hazardous waste combustor, subject to Federal Sub EEE, covered during the 2010-11 timeframe.	• Completed on Sept. 28	- - -
	iv. The three (3) municipal solid waste landfills, subject to Federal Sub AAAA, covered during the 2010-11 timeframe.	• All completed in 2010	- - -
	v. The two (2) hospital ethylene oxide sterilization facilities, subject to 1138 Sect 9, covered during the 2010-11 timeframe.	• One of 2 completed on May 5	- - -
	vi. The one (1) lead acid battery manufacturing plant, subject to 1138 Sect 11, covered during the 2010-11 timeframe.	• Completed in 2010	- - -
	vii. The two (2) plating and polishing facility, subject to 1138 Sect 10, covered during the 2010-11 timeframe.	• Completed on Aug. 23	- - -
	viii. The one (1) source, subject to electric arc furnace (Federal Sub YYYYYY), covered during the 2010-11 timeframe.	• Completed on Aug. 8	- - -
	c. By 9/11, perform compliance evaluations (CE) at area air toxics sources as follows:		
	i. 25% or ~20 perchloroethylene dry cleaning facilities subject to 1138 Sect 5; total population is ~80 facilities.	• Completed 62 compliance evaluations (or ~78% of current population) during this period	- - -
	ii. 25% or ~40 motor vehicle and mobile equipment surface coating facilities subject to 1124 Sect 11; total population is ~160 facilities.	• Completed 10 compliance evaluations (or ~6% of current population) during this period	- - -
	iii. 10% or ~60 gasoline delivery vessels (GDVs); total population is ~600 facilities.	• Completed perceptible leak tests during delivery transfers at gasoline stations on 85 GDVs (or ~14% of the permitted GDVs) during this period • Continued to provide compliance assistance to GDV fleet owners in meeting annual testing and permitting requirements	- - - • Ongoing

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	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/11 Status	Expected Completion
2011 Cont.	d. Track annual testing of Stage II vapor recovery system for UST gasoline dispensing facilities that are subject to vapor balancing requirements of Regulation 1124.	<ul style="list-style-type: none"> • Tracked the vapor recovery system testing of 270 GDFs (~81% of current GDFs) 	- - -
	e. Conduct inspections at one third (1/3) of the regulated UST gasoline dispensing facilities, subject to Regulation 1124, during 2011; total population is ~332 facilities.	<ul style="list-style-type: none"> • Conducted inspections at 118 regulated GDFs (~36% of regulated GDFs) 	- - -
	f. Continue to implement the Asbestos Demolition/Renovation Program.		
	i. Perform inspections at asbestos demolition sites.	<ul style="list-style-type: none"> • Completed 416 site inspections during this period 	- - -
	ii. Monitor and maintain the Delaware Online Asbestos Notification System (DOANS).	<ul style="list-style-type: none"> • Continued to <ul style="list-style-type: none"> • Edit the active user database • Provide data entry for new notifications 	• Ongoing
	iii. Educate the public, certified contractors, and professional service firms on the proper removal and disposal of asbestos.	<ul style="list-style-type: none"> • Provided pertinent information in all three counties <ul style="list-style-type: none"> • State Service Centers • Appropriate county building (i.e. building permits; building code compliance, etc) 	• Ongoing
	g. Incorporate updated MACT and Residual Risk requirements in air permits.		
	i. Renew expiring Title V permits to incorporate newly promulgated MACT and Residual Risk standards, as needed.	<ul style="list-style-type: none"> • Hirsh permit renewal issued final on April 4 • Dassault Falcon permit renewal issued final on May 31 • DuPont Experimental Station permit renewal went draft on June 19 	- - - - - - • Ongoing
	ii. Incorporated area source standard requirements during renewal or reopening of Title V permits for		
	1. Claymont Steel to include the Electric Arc Furnace (Federal Sub YYYYYY) requirements by 3/11.	<ul style="list-style-type: none"> • Federal Sub YYYYYY requirements being incorporated during permit development 	• 2012
	2. Miscellaneous parts and products manufacturing facilities to include paint stripping (1138 Sect 13) and surface coating (1138 Sect 14) requirements, if applicable.	<ul style="list-style-type: none"> • No activity during this period <ul style="list-style-type: none"> • The need for relevant training Sect 13 and 14 identified in July • Training to be provided to all staff in 2012 to undertake this activity 	• Ongoing

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	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/11 Status	Expected Completion
2011 Cont.	iii. Reopen Title V permits for cause to incorporate promulgated MACT and Residual Risk standards consistent with the requirements of Regulation No. 1130, as needed.	<ul style="list-style-type: none"> No permits needed to be reopened during this period 	<ul style="list-style-type: none"> Ongoing
	h. Continue discussions for additional reduction of multi-pollutants (incl. Hg) from Electrical Generating Units (EGUs) under 25MW.	<ul style="list-style-type: none"> Receive permit application from NRG (Dover) to remove coal fired boiler Issued construction permit on November 11 to install new natural gas low NOx boiler, convert combustion turbine to combined-cycle operation, and addition control measures 	- - - <ul style="list-style-type: none"> 2013
	i. Incorporate area source standard requirements into natural and synthetic minor source permits, including		
	i. Johnson Controls to include Lead Acid Battery Manufacturing Plant (1138 Sect 11) requirements by 6/11.	<ul style="list-style-type: none"> No activity this period; lower priority activity 	<ul style="list-style-type: none"> 6/12
	ii. St. Francis Hospital to include Hospital Ethylene Oxide Sterilizers (1138 Sect 9) requirements by 6/11.	<ul style="list-style-type: none"> No activity this period; lower priority activity 	<ul style="list-style-type: none"> 6/12
	iii. Industraplate to include Plating and Polishing Operations (1138 Sect 10) requirements by 12/11.	<ul style="list-style-type: none"> No activity this period; lower priority activity 	<ul style="list-style-type: none"> 6/12
	iv. Standard Engineering to include Plating and Polishing Operations (1138 Sect 10) requirements by 12/11.	<ul style="list-style-type: none"> No activity this period; lower priority activity 	<ul style="list-style-type: none"> 6/12
	v. Any new miscellaneous parts and products manufacturing facilities to include paint stripping (1138 Sect 13) and surface coating (1138 Sect 14) requirements, if applicable.	<ul style="list-style-type: none"> Sect 14 surface coating requirement incorporated into new permits for <ul style="list-style-type: none"> Pats Aircraft on May 11 Summit Aviation on Oct. 27 	<ul style="list-style-type: none"> Ongoing
	vi. Existing Perchloroethylene Dry Cleaning facilities (1138 Sect 5) by 12/11.	<ul style="list-style-type: none"> No unpermitted existing sources found during this period 	<ul style="list-style-type: none"> Ongoing
	vii. New Perchloroethylene Dry Cleaning facilities (1138 Sect 5).	<ul style="list-style-type: none"> No new dry cleaning facilities identified during this period 	<ul style="list-style-type: none"> Ongoing
	j. Continue Compliance Assistance Program consistent with the Compliance Assistance Oversight Plan for		
	i. Sources subject to the Motor Vehicle and Mobile Equipment Surface Coating standard (1138 Sect 15).	<ul style="list-style-type: none"> Provided compliance assistance to 9 auto-body shop during this period 	- - -
	2. Promote the implementation of mobile source air toxics reduction initiatives/programs.		
	a. Working with other State and Regional agencies, actively promote implementation of the SmartWay Transport programs.	<ul style="list-style-type: none"> No activity during the year, as there were no Federal funds available to support SmartWay programs 	<ul style="list-style-type: none"> Unknown

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	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/11 Status	Expected Completion
2011 Cont	b. Continue to support of the SmartWay Transport programs, as appropriate.		
	i. Complete Smyrna Rest Stop Electrification project by 3/11.	• Completed on March 21	- - -
	ii. Continue to monitor DelDOT's installation of the I-95 Service Plaza Electrification project.	<ul style="list-style-type: none"> • Marriott Corp, operator of the installation, provided periodic reports of electrification facility utilization • Discussed regulatory requirements with DNREC Enforcement Section officers (or EPOs), who will be enforcing the anti-idling requirements • EPOs have provided both educational information and taken enforcement actions 	<ul style="list-style-type: none"> • Ongoing - - - • Ongoing
	iii. Continue to monitor and report on activities conducted in support of the SmartWay Transport programs, as appropriate.	• In January, the Freight Workgroup of the Transportation & Climate Initiative (TCI) revised their work plan to include SmartWay Transport initiatives	• Ongoing
	c. Explore contribution of mobile source air toxics emissions to the health risk using existing information available from DATAS and/or NATA, when or if available.	<ul style="list-style-type: none"> • NATA 2005 results indicated that mobile source air toxics contribute to health risks; however the secondary atmospheric reactions appear to play a larger role than the direct emissions • DATAS Phase 2 report was not complete 	<ul style="list-style-type: none"> - - - • 2Q12
	d. Continue to identify mobile source air toxics reduction or education programs, if mobile source-driven hot spots are found.	• No mobile source-driven hot spots identified during the period	• Ongoing
	3. Implement other air toxics-related communications and outreach programs.		
	a. Continue to implement a diesel anti-idling educational program.		
	i. Evaluate and revise anti-idling outreach programs, as needed.	• Exploring educational opportunity to test a display of anti-idling information at a local school	• 1Q/12
	ii. Conduct anti-idling outreach programs for schools and report status to EPA R3, as appropriate.	<ul style="list-style-type: none"> • Conducted school bus anti-idling surveys between April and June • No actions were taken, as no excessive idling reported 	<ul style="list-style-type: none"> - - - - - -

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	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/11 Status	Expected Completion
2011 Cont.	iii. Conduct anti-idling outreach programs for the trucking industry and report status to EPA R3, as appropriate.	<ul style="list-style-type: none"> Mailed a promotional letter encouraging the use of the Smyrna electrification facility to 50 trucking companies on Aug. 1 	- - -
	iv. Explore for new audiences to expand the anti-idling outreach program.	<ul style="list-style-type: none"> No new audiences identified this period 	<ul style="list-style-type: none"> Ongoing
	v. Participate with the Ozone Transportation Commission (OTC) in the development of an OTC non-road anti-idling model rule.	<ul style="list-style-type: none"> Submittal of the model rule to air directors was postponed until the June 2012 OTC Annual Meeting 	<ul style="list-style-type: none"> Ongoing
	b. Provide the DAQ's Community Air Toxics study team with communication/outreach options by 12/11.	<ul style="list-style-type: none"> No activity this period 	<ul style="list-style-type: none"> In 2012 ATSP
	c. Continue to improve compliance with Delaware's open burning requirements.		
	i. Continue to evaluate and update open burning information, such as the inclusion of Reg. 1119 requirements, on Delaware's open burning website and in Delaware's education materials.	<ul style="list-style-type: none"> Completed update of the open burning website 	- - -
	ii. Continue to educate the public on Delaware's open burning restrictions.	<ul style="list-style-type: none"> Working directly with local fire companies on implementation issues Worked directly with the public on a case-by-case basis 	<ul style="list-style-type: none"> Ongoing Ongoing
	4. Provide support to small businesses on air toxics related issues.	<ul style="list-style-type: none"> Provided air toxics support to small business on an as-requested basis 	<ul style="list-style-type: none"> Ongoing
	5. Continue to enhance the value and use of the air toxics information on DAQ's web sites.		
	a. Continue to provide pertinent and timely information to the public and regulated community on DAQ's "Proposed Regulations" web site during the adoption of new air toxics standards.	<ul style="list-style-type: none"> Continuing to update the regulatory web site as new Reg. 1138 information becomes available for <ul style="list-style-type: none"> Adoption of an amendment to Section 8 by adding residual risk standards applicable to halogenated solvent cleaning operations Adoption of new area source standard, as Section 17, applicable to prepared feeds manufacturing operations (Federal Sub DDDDDDD) 	<ul style="list-style-type: none"> Ongoing 1Q/12 1Q/13

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	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/11 Status	Expected Completion
2011 Cont.	b. Evaluate the initial phase redesign and develop path forward, if warranted, by 6/11.	• No activity this period	• 2012
	c. Continue to improve and enhance the content, ease of accessing, and information flow of DAQ's "Air Toxics" web site.	• No activity this period	• 2012
	6. Submit delegation package for		
	a. Area standards applicable to Paint Stripping and Miscellaneous Surface Coating Operations (1138 Sects 13, 14 & 15) by 1Q/11.	• Submitted on Jan. 31	- - -
	b. Area standard applicable to Asphalt Processing and Asphalt Roofing Products Manufacturing Operations (1138 Sect 16) by 1Q/11.	• Submitted on Feb. 16	- - -
	c. Title V-related area source subject to the municipal solid waste landfill standard (Federal Sub AAAA) by 3/11.	• No activity this period; lower priority activity	• 2012
	d. Title V-related area source subject to the hazardous waste combustor standard (Federal Sub EEE) by 3/11.	• No activity this period; lower priority activity	• 2012
	e. Title V-related area source subject to the electric arc furnace standard (Federal Sub YYYYY) by 3/11.	• No activity this period; lower priority activity	• 2012
	f. Residual risk standard applicable to Halogenated Solvent Degreasers (1138 Sect 8) by 3Q/11.	• Commenced development of the delegation request package in Dec.	• 2/12
	g. General Provisions (1138 Sect 3) by 4Q/11.	• On hold , pending federal amendment to General Provisions (Federal Sub A)	• 2013
	7. Adopt new and amend existing air toxics regulations for mobile and stationary sources.		
	a. Assist in initial stringency determination between Federal Sub CCCCC vs. existing Delaware regulations.	• On hold – the Division of Air Quality has postponed the adoption of Federal Subpart 6Cs requirements	• Unknown
	b. Submit Start Action Notices for		
	i. Adopting the area standard applicable to Prepared Feed Manufacturing Facilities (Federal Sub DDDDDDD) by 1Q/11.	• Start Action Notice (SAN) submitted on July 15; SAN was approved on Aug. 23	- - -
	ii. Adopting the area standard applicable to Gasoline Dispensing Facilities (Federal Sub CCCCCC) by 1Q/11.	• No activity this period	• Unknown
	iii. Amending the General Provisions (1138 Sect 3) by 1Q/11.	• On hold , pending federal amendment to General Provisions (Federal Sub A)	• 2012
	iv. Amending the Case-by-Case 112(j) MACT requirements (1138 Sect 4) by 1Q/11.	• On hold , pending federal amendment to Federal Sub B	• Unknown
	v. Adopting the area standard applicable to Gasoline Distribution Operations (Federal Sub BBBB) by 2Q/11.	• No activity this period	• 2014

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	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/11 Status	Expected Completion
2011 Cont	vi. Adopting the area standard applicable to Chemical Manufacturing Operations (Federal Sub VVVVVV) by 4Q/11.	• No activity this period	• Unknown
	vii. Amending Regulation 1140 by incorporating CAL-LEV III requirements by 12/11.	• Continue to participate on NESCAUM's 177 States workgroup • On hold , Start Action Notice development is pending EPA's promulgation of the Tier 3 National Standard	• Ongoing • Unknown
	c. Complete stringency determinations for		
	i. Hazardous Waste Combustor (Federal Sub EEE) requirements in current DuPont X Station Title V permit by 3/11.	• Stringency determination completed as part of drafting permit renewal, which went draft on July 30	- - -
	ii. Electric Arc Furnace (Federal Sub YYYYYY) requirements during renewal of Claymont Steel Title V permit by 3/11.	• Stringency determination being undertaken during permit development	• 2012
	iii. Residual risk standard applicable to Halogenated Solvent Degreasers (1138 Sect 8) by 2Q/11.	• Completed stringency determination for proposed amendment of Section 8 on June 30	- - -
	iv. General Provisions (1138 Sect 3) by 2Q/11.	• On hold , pending federal amendment to General Provisions (Federal Sub A)	• 2012
	v. Case-by-Case 112(j) MACT requirements (1138 Sect 4) by 2Q/11.	• On hold , pending federal amendment to Federal Sub B	• Unknown
	vi. Area standard applicable to Gasoline Dispensing Facilities (Federal Sub CCCCCC) by 3Q/11.	• No activity this period	• Unknown
	vii. Area standard applicable to Prepared Feed Manufacturing Facilities (Federal Sub DDDDDDD) by 3Q/11.	• No activity this period	• 4Q/12
	viii. Area standard applicable to Gasoline Distribution Operations (Federal Sub BBBBBB) by 4Q/11.	• No activity this period	• 2014
	d. Finalize the adoption of area source standards for		
	i. Residual risk standard applicable to Halogenated Solvent Degreasers (1138 Sect 8) by 3Q/11.	• Finalize adoption on Dec. 1	- - -
	ii. General Provisions (1138 Sect 3) by 3Q/11.	• On hold , pending federal amendment to General Provisions (Federal Sub A)	• 2012
	iii. Case-by-Case 112(j) MACT requirements (1138 Sect 4) by 3Q/11.	• On hold , pending federal amendment to Federal Sub B	• Unknown

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2011 Air Toxics Strategic Plan – Year-end Detailed Status Report

	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/11 Status	Expected Completion
2011 Cont.	iv. Area standard applicable to Prepared Feed Manufacturing Facilities (Federal Sub DDDDDDD) by 4Q/11.	<ul style="list-style-type: none"> • Initial draft completed on Sept. 30 • Public workshop scheduled for Nov. 2; subsequently cancelled • On hold; pending finalization of changes to federal rule announced on Oct. 9 	- - - <ul style="list-style-type: none"> • 4/12 • 10/12
	v. Area standard applicable to Gasoline Dispensing Facilities (Federal Sub CCCCCC) by 4Q/11.	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Unknown
	e. Revise existing and develop new control strategies, as needed.		
	i. Develop path forward to amend 1138 Sect 6, if the Chrome Plating residual risk requirements are finalized in 2011.	<ul style="list-style-type: none"> • No EPA finalized rule to date 	<ul style="list-style-type: none"> • Unknown
	ii. Develop path forward, if the Federal Area Source Industrial, Commercial and Institutional Boiler standard is finalized in 2011.	<ul style="list-style-type: none"> • On hold, EPA finalized rule (Sub DDDDD) on Mar. 21, but delayed the rule effective date in May pending reconsideration of the final rule 	<ul style="list-style-type: none"> • 2013
	f. Complete initial stringency determination between Federal Area Source Standards vs. existing Delaware regulations and develop regulatory path forward, if necessary.		
	i. Develop regulatory path forward for Gasoline Distribution Operations (Federal Sub BBBBBB) by 3/10, if necessary.	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 2014
	ii. Develop regulatory path forward for Gasoline Dispensing Facilities (Federal Sub CCCCCC) by 3/10, if necessary.	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Unknown
	g. As each residual risk and area source standard is being developed, evaluate the need for and implement outreach or education activities, if appropriate.	<ul style="list-style-type: none"> • Outreach planning is ON HOLD pending finalization of EPA's proposed amendment of Prepared Feed Manufacturing area source standard 	<ul style="list-style-type: none"> • 2012
	h. Coordinate Air Toxics Area Source Program development, if any area source standards are newly promulgated or revised.		
	i. Coordinate the identification of known or potentially affected sources, update the area source inventory and send inventory report to EPA by 9/11, if required.	<ul style="list-style-type: none"> • No activity this period • New area source standard (Sub 7Es) promulgated on Feb. 2; no Delaware sources • New area source standard (Sub 6Js) promulgated on Mar.21 is on hold pending EPA's reconsideration of the final rule 	<ul style="list-style-type: none"> • Ongoing - - - • Unknown

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2011 Air Toxics Strategic Plan – Year-end Detailed Status Report

	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/11 Status	Expected Completion
2011 Cont	ii. Coordinate the development and incorporation of new and newly revised standards into the Area Source Program – Implementation Plan as part of the Air Toxics Strategic Planning process.	• Completed on Oct. 20	- - -
	iii. Update the Area Source Program – Implementation Plan, as needed.	• Completed on Oct. 20	- - -
	i. As regulations, especially area source standards, are promulgated, evaluate the role of the ombudsman to facilitate interactions between DAQ and small businesses.	• Prepared a regulatory fact sheet for auto-body owners identifying key compliance requirements for a recently amended air regulation	• 1Q/12
	8. Continue to audit inspection and maintenance (I/M) program and submit annual I/M report to EPA R3, if appropriate.	• Conducted semi-monthly audits statewide during the period • Submitted annual I/M report on July 29	• Ongoing - - -
	9. Develop and implement improvements for inspection and maintenance (I/M) reporting process.	• Continued to improve I/M reporting process and formats	• Ongoing
	10. Facilitate the implementation of mobile source diesel emission reduction projects.		
	a. Facilitate the implementation of diesel retrofits.		
	i. Complete City of Newark truck retrofits by 6/11.	• Completed retrofits on 5 trucks in June	- - -
	ii. Complete additional school bus and government truck retrofits using 2010 DERA grant funding by 12/11.	• 20 to 25 heavy duty diesel DelDOT trucks to be retrofitted; retrofitted truck to be selected from all three counties	• 6/12
	b. Complete Port of Wilmington engine replacement project.	• On hold , fourth (and final) engine replacement pending scheduling of installation	• 6/12
	11. Continue to work with other State agencies on air toxics communications and outreaches.	• No opportunities found during this period	• Ongoing
	12. Continue to collaborate with other DNREC agencies on educational outreach activities associated with promoting the diesel emission reductions.	• Continued collaboration with DAQ and MARAMA on awarding of Mid-Atlantic Diesel Collaborative grants on projects that reduce diesel emissions	• Ongoing
	13. Pursue potential joint outreach/educational opportunities with the Delaware Energy Office.	• Participated in the Energy Office's Oct. 27 demonstration for qualifying US DOE redesignation	• Ongoing

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2011 Air Toxics Strategic Plan – Year-end *Detailed* Status Report

	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/11 Status	Expected Completion
2011 Cont.	14. Continue to identify and implement energy efficiency programs for the residential and commercial sectors through the Sustainable Energy Utility (SEU).	<ul style="list-style-type: none"> • Completed the following programs in December: <ul style="list-style-type: none"> • Residential Lighting discounts • Home Performance with Energy Star • Business <i>Plus</i> • Concluded implementation and working on final paperwork and reports: <ul style="list-style-type: none"> • Green for Green 	<div>---</div> <div>---</div> <div>---</div> <ul style="list-style-type: none"> • 2Q/12
	15. Continue to provide energy efficiency/conservation education, outreach, and technical assistance to the residential and commercial sectors.	<ul style="list-style-type: none"> • Completed energy-related outreaches at the following venues: <ul style="list-style-type: none"> • Great Green Expo in March • Delaware State Fair on July 21-30 • Delaware Coast Day on Oct. 2 	<div>---</div> <div>---</div> <div>---</div>
	16. Continue to identify and implement state facilities energy programs.	<ul style="list-style-type: none"> • Implementation of Executive Order 18, which focuses on energy savings and green procurement in government agencies • Completed energy benchmarking of all large State-owned facilities on June 1 • Providing educational information to state employees 	<div>---</div> <ul style="list-style-type: none"> • Ongoing
	17. Continue to identify and implement renewable and advanced energy technologies. Renewable and advanced technologies include:		
	a. Green Energy Program		
	i. Photovoltaic Electric	• Awarded 329 grants for \$4,270,000	• Ongoing
	ii. Solar Hot Water	• Awarded 9 grants for \$23,000	• Ongoing
	iii. Geothermal	• Awarded 177 grants for \$611,000	• Ongoing
	iv. Wind	• No grants awarded this period	• Ongoing

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	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/11 Status	Expected Completion
2011 Cont.	b. Initiate low-interest financing programs for renewable energy projects through the Sustainable Energy Utility (SEU).	<ul style="list-style-type: none"> • Implemented new low-interest financing program • Completed preparations in June • Completed program kickoff on July 5 • Completed funding for multi-family projects • Providing funding for non-residential projects • Providing funding for residential projects 	--- --- --- • 4/30/12 • Ongoing
	c. Technology Demonstration/Research & Development Grant Program. This program is “on hold”, as of 1/11.	• On hold until further notice	• Unknown
	d. Renewable Portfolio Goals.	<ul style="list-style-type: none"> • Participated in monthly Renewable Task Force meetings held between January and December • Submitted legislative change for Senate Bill #124 with SA 1, which was signed into law on July 7 • Provide technical support for Bloom Energy Tariff, which PSC adopted on Dec. 1 • Provide technical support for Del-Mar-Va Pilot Program, which PSC adopted on Dec. 20 	• Ongoing --- --- ---
	18. Continue to identify and implement transportation programs. Transportation programs include:		
	a. Clean Cities/State Program – focusing on greater use of alternative transportation fuels.	<ul style="list-style-type: none"> • Completed support of Level 3 program on Oct. 31 • Completed re-designation process in April 	--- ---

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2011 Air Toxics Strategic Plan – Year-end Detailed Status Report

	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/11 Status	Expected Completion
2011 Cont	19. Implement the “Energy Assurance Updates” by providing enhanced training for emergency personnel who respond during major disruptions to the energy supply.	<ul style="list-style-type: none"> Continued implementation of the “Energy Assurance Updates” Revised Energy Assurance Plan in February Attended U.S. DOE-sponsored regional Energy Assurance exercise in Boston on June 16 and 17 Completed a State Energy Assurance exercise in October Revising Energy Assurance Plan based on review of the results from the October exercise 	<ul style="list-style-type: none"> --- --- --- 8/12
	20. Implement the “Energy Efficiency and Conservation Block Grant” programs to reduce fossil fuel emissions, total energy use, and improve transportation efficiency.	<ul style="list-style-type: none"> All funds allocated as of June 30; projects currently ongoing 	<ul style="list-style-type: none"> 9/12
	21. Continue to provide air toxics-related support to State through. . .		
	a. Reviewing of air permits.	<ul style="list-style-type: none"> Identified an anomaly in a new application for a permit to construct concerning Section 11 of Reg. 1138 (Fed Sub 6Ps) on Feb. 21 Requested an applicability clarification from EPA Region 3 on Mar. 20 	<ul style="list-style-type: none"> --- Unknown
	b. Providing current regulatory interpretations.	<ul style="list-style-type: none"> Provide regulatory guidance on applicability of Section 14 of Reg. 1138 for <ul style="list-style-type: none"> Issuing of a new operating permit associated with sale of a facility Modification of an existing operating permit Issuing of an new permit to construction Provide regulatory guidance on notification/reporting requirements for standards for which EPA has delegated authority to the State 	<ul style="list-style-type: none"> --- --- --- ---

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2011 Air Toxics Strategic Plan – Year-end *Detailed* Status Report

	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/11 Status	Expected Completion
2011 Cont.	c. Advising on likely future trends and actions.	• No new trends identified during the year	• Ongoing
	d. Providing technical support, as needed.	• Continued to provide technical support, as needed, for OTC's committee developing a lightering model rule	• Ongoing

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	Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics	12/31/11 Status	Expected Completion
2011	1. Monitor, pending network review to meet changing resources, for Carbonyls and metals at one (1) air toxic monitoring station and VOCs at two (2) air toxic monitoring stations and report status of monitoring activities to EPA R3, as appropriate.	<ul style="list-style-type: none"> Twelve months sampling was completed on schedule 	<ul style="list-style-type: none"> Ongoing
	2. Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics.	<ul style="list-style-type: none"> No emissions tracking requested during this period 	<ul style="list-style-type: none"> Ongoing
	3. By September, complete a self-assessment of major stationary source air toxics reduction and outreach programs undertaken or in progress to determine effectiveness, impacts, and improvements. Incorporate results into the respective programs.	<ul style="list-style-type: none"> Engineering & Compliance designated as the lead for the community outreach in support of the Claymont dust study Community-based outreach <ul style="list-style-type: none"> Identified the need to provide relevant information to residents in communities around the recently re-started refinery Commenced working on outreach concept to be launched in 2012 	<ul style="list-style-type: none"> Ongoing --- 2012
New	4. Conduct school bus anti-idling compliance assessments to determine the effectiveness of the anti-idling requirements in Regulation 1145.	<ul style="list-style-type: none"> Conducted school bus anti-idling surveys between April and June No actions were taken, as no excessive idling reported 	<ul style="list-style-type: none"> --- ---

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	Air toxics resource development	12/31/11 Status	Expected Completion
2011	1. Evaluate available training and encourage broader participation in risk-related training.		
	a. Continue to identify air toxics related training, workshops and forums; encourage participation, when appropriate.	<ul style="list-style-type: none"> • Provided air toxics-related input to the DAQ Training Coordinator for inclusion in the National Curriculum Training Project on June 3 • No air toxics training opportunities identified during this period 	<p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • Ongoing
	b. Participate in national and EPA air dispersion modeling programs or training specific to air toxics characterization.	<ul style="list-style-type: none"> • Co-authored technical paper on “An approach to characterize within-grid concentration variability in air quality models” with Jason Ching for 2012 publishing in <u>Atmospheric Environment</u> 	<ul style="list-style-type: none"> • 1Q12
	c. Evaluate the need for air toxics-related training for staff and present, as needed.	<ul style="list-style-type: none"> • Provided permitting and compliance-related input to the DAQ Training Coordinator for inclusion in the NACAA, National Training Strategy and Learning Management Systems projects • Identify air toxics related training requirements in the Annual MARAMA Training Needs Assessment • Coordinate special training requirements with MARAMA and NACAA training committees 	<ul style="list-style-type: none"> • Ongoing • Ongoing • Ongoing
	d. Determine if recently promulgated air toxics standards (MACT, Residual Risk or Area Source GACT) should be presented to staff.	<ul style="list-style-type: none"> • Determined that training on the applicability for various area source standards should be presented in 2012 • Determined that training on the relevant requirements of Sect 13 and 14 were needed; a training workshop will be developed and provided to all staff in 2012 	<ul style="list-style-type: none"> • 2012 • 2012
	2. Continue to assess and pursue implementation of a process for multi-agency sharing of source information for new and existing sources, including gasoline delivery vessels.	<ul style="list-style-type: none"> • Partially completed implementation; gasoline delivery vessels data now accessible in DENS 	<ul style="list-style-type: none"> • Ongoing

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2011 Air Toxics Strategic Plan – Year-end *Detailed* Status Report

	Air toxics resource development	12/31/11 Status	Expected Completion
2011 Cont.	3. Develop and implement mechanisms to improve air toxics communications.		
	a. Continue to implement newly found mechanisms to improve air toxics communications between branches.	• No new mechanisms identified	• Ongoing
	b. Continue to promote open communications between DNREC and small businesses on air toxics issues.	• Continued to provide communication avenues to small business on air toxics issues on an as-requested basis	• Ongoing